

# Connecting Zigbee2MQTT on SMHUB to Home Assistant

This guide explains how to connect any **SMHUB Series** device to **Home Assistant** using **Zigbee2MQTT**.

---

## Requirements

- Any **SMHUB** model (Essential, Premium, Nano, etc.)
- **Home Assistant** running in your network
- Minimum SMHUB firmware:
  - smhub-os  $\geq$  **0.3.7**
  - smhub-services  $\geq$  **0.2.4**
  - smhub-web  $\geq$  **0.2.18**

“ ” Tip: You can check and update these versions in the SMHUB web interface

- smhub-os: under **Settings** → **Updates and Restore**.
- smhub-services and smhub-web: under **Apps** → **Refresh** → **Upgrade smhub-services** and **smhub-web**.
- z2m - please update like this: go to **Console** tab and type ``curl -fsSL https://updates.smlight.tech/z2m.sh | sudo sh``, password is ``smlight`` - this is one-off action, Zigbee23MQTT will be moved to release on 13 December 2025)

---

## Connection options

You can use Zigbee2MQTT on SMHUB in **two ways**:

- **Option 1 (simple):**  
Zigbee2MQTT connects directly to Home Assistant's MQTT broker
- **Option 2 (advanced):**  
Zigbee2MQTT uses SMHUB's local MQTT broker, which is bridged to MQTT on Home Assistant

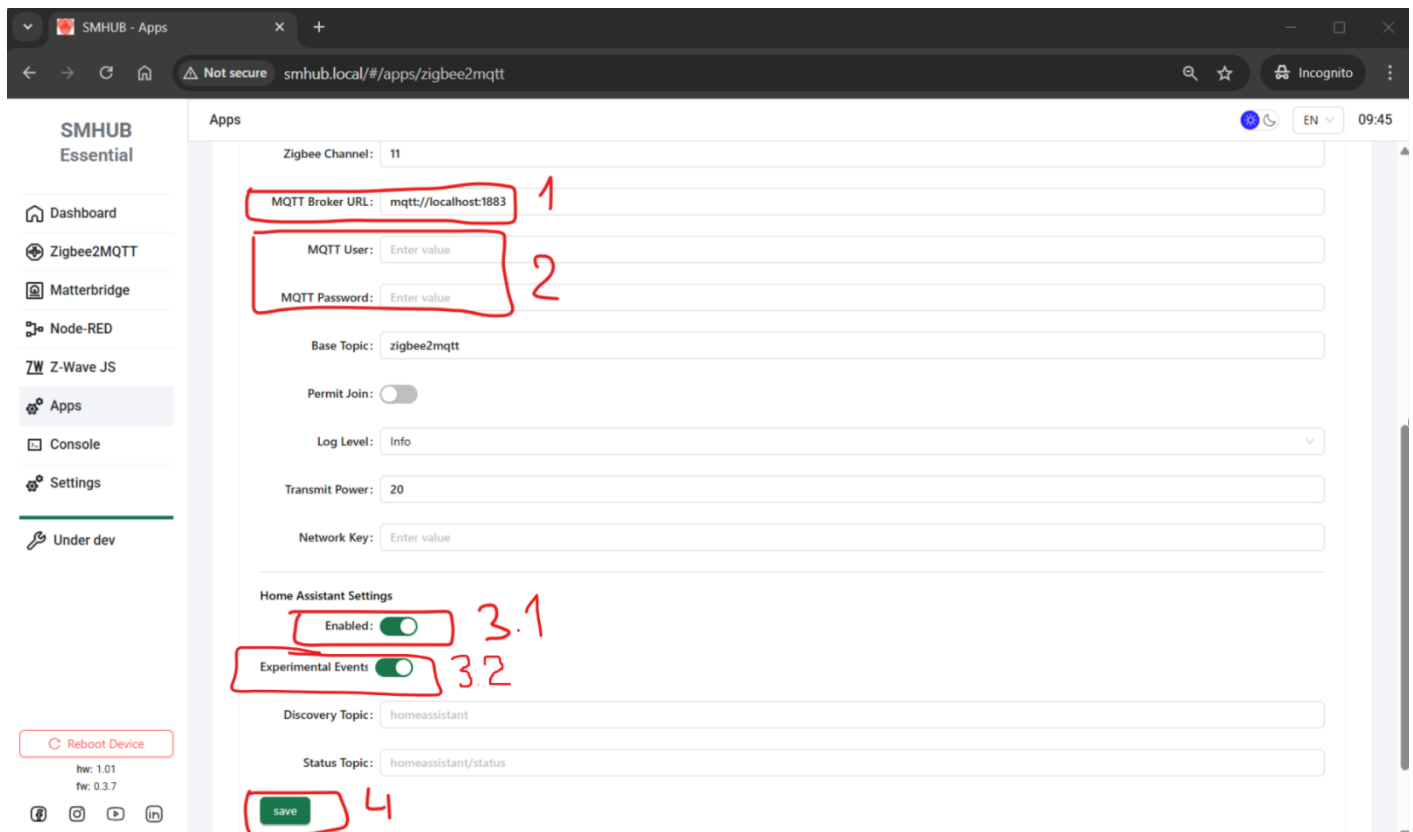
# Option 1 – Direct Z2M connection to Home Assistant

## What to do

- Open **SMHUB Web UI**
- Go to **Apps → Zigbee2MQTT**

Configure the following:

- **MQTT Broker URL** `mqtt://HOME_ASSISTANT_IP:1883`
- **MQTT User / MQTT Password**  
Use your Home Assistant MQTT credentials (often the same as Home Assistant login)
- In **Home Assistant Settings** → **Enable**
- Enable **Experimental Events**



Then:

- Click **Save**

- Stop and start **Zigbee2MQTT**  
(or simply reboot SMHUB)

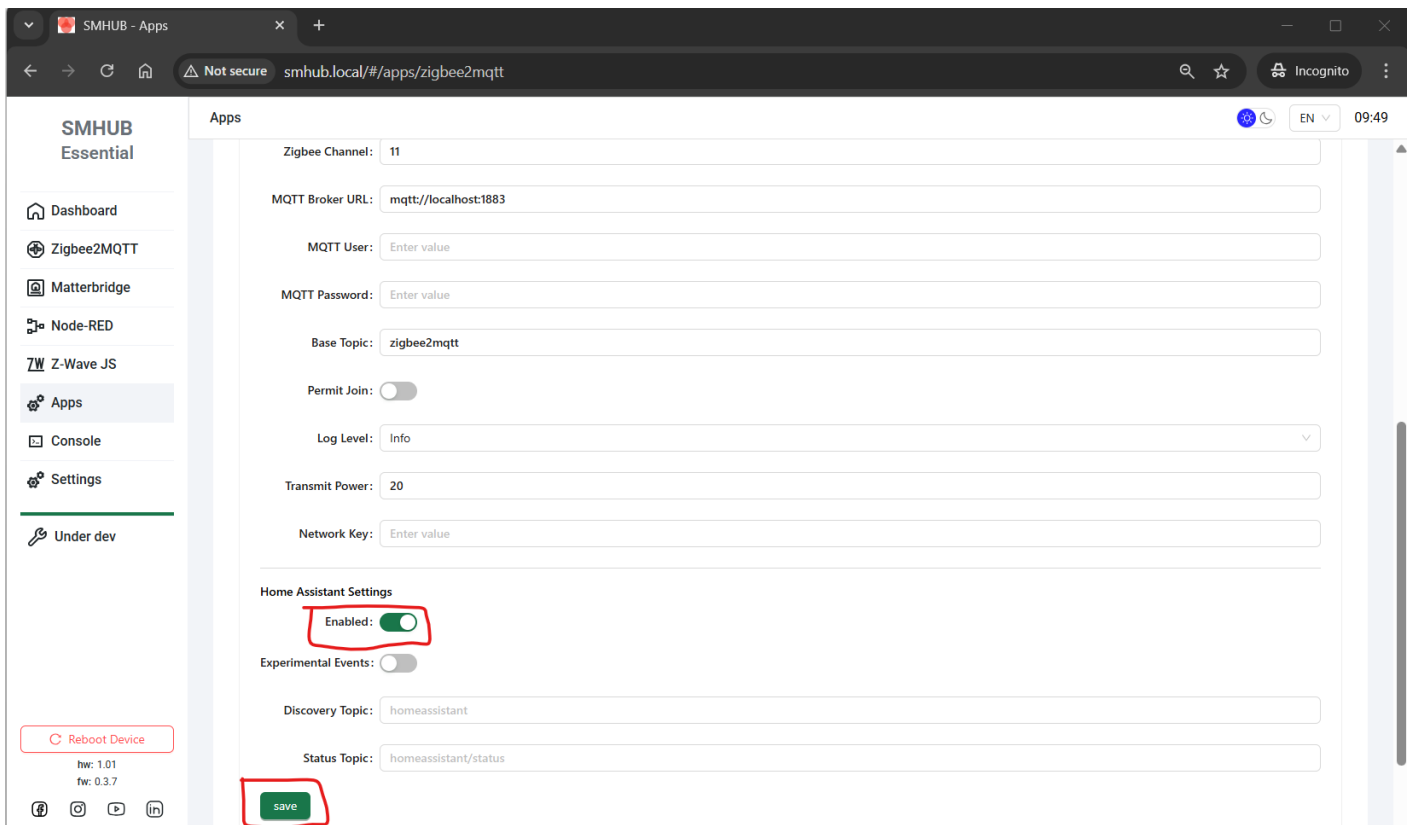
## Result

- Zigbee2MQTT on SMHUB connects directly to MQTT on Home Assistant
- Zigbee devices appear automatically in Home Assistant
- Multiple SMHUBs can connect to the same Home Assistant

# Option 2 – Local MQTT on SMHUB with bridge to Home Assistant's MQTT

## What to do

- Open **SMHUB Web UI**
- Go to **Apps** → **Zigbee2MQTT**
- Enable **Home Assistant Settings**
- Click **Save**



The screenshot shows the SMHUB Web UI configuration page for Zigbee2MQTT. The page is titled "Apps" and contains the following settings:

- Zigbee Channel: 11
- MQTT Broker URL: mqtt://localhost:1883
- MQTT User: Enter value
- MQTT Password: Enter value
- Base Topic: zigbee2mqtt
- Permit Join:
- Log Level: Info
- Transmit Power: 20
- Network Key: Enter value

The "Home Assistant Settings" section is highlighted with a red box and contains:

- Enabled:
- Experimental Events:
- Discovery Topic: homeassistant
- Status Topic: homeassistant/status

A red box highlights the "save" button at the bottom of the page. A "Reboot Device" button is also visible in the bottom left corner.

Then configure MQTT bridge:

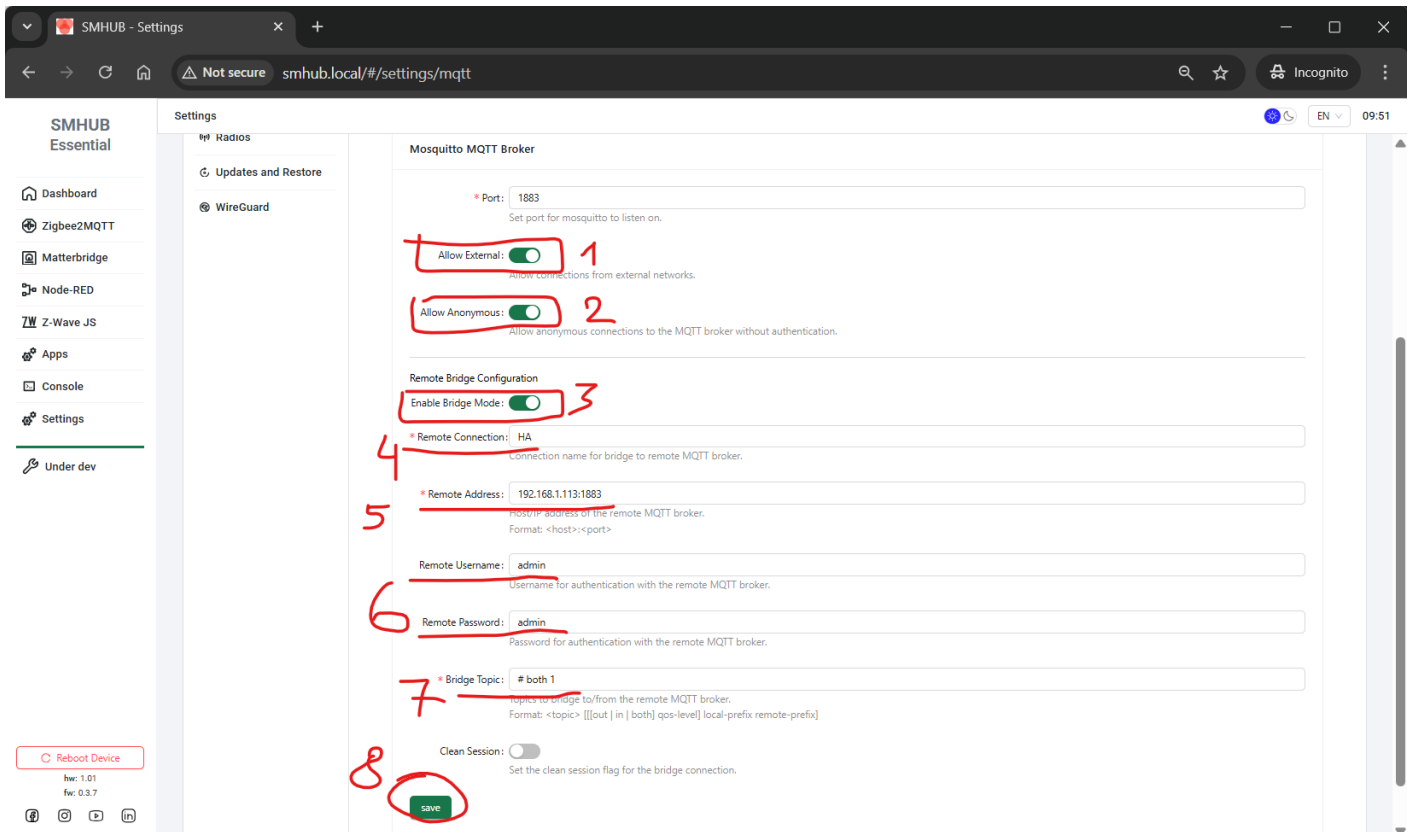
- Go to **Settings** → **MQTT**

Set the following:

- **Allow External** → Enabled. This lets the remote broker send MQTT messages to SMHUB's broker.
- **Allow Anonymous** → Enabled (*simplest option*) - but be careful. You can tweak this by adding credentials and making the respective settings on the remote broker.
- **Enable Bridge Mode** → True

Remote broker settings:

- **Remote Address** HOME\_ASSISTANT\_IP:1883
- **MQTT User / MQTT Password**  
Home Assistant MQTT credentials
- **Bridge Topic** # both 1



Then:

- Click **Save**
- Reboot SMHUB (*recommended*)

# Result

- SMHUB keeps its own MQTT broker
  - MQTT data is bridged to Home Assistant
  - Zigbee devices appear in Home Assistant
  - Multiple SMHUBs can connect to one Home Assistant
- 

## Which option should I choose?

- Choose **Option 1** if you want the simplest and fastest setup
  - Choose **Option 2** only if you need local MQTT on SMHUB
- 

Revision #13

Created 12 December 2025 09:39:59 by Support3

Updated 12 December 2025 21:09:25 by Support3